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By- Wakefield, Howard E.

Evaluating Educational Facilities. An Annotated Reference List.

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An annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities. These documents are concerned with evaluation, utilization, and guidelines for educational facilities. All levels of education are covered and each document is indexed and abstracted. (NI)

ED0 24256

CLEARINGHOUSE ON
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EVALUATING EDUCATIONAL FACILITIES

An Annotated Reference List

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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EF002677

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EVALUATING EDUCATIONAL FACILITIES

An Annotated Reference List

Prepared By

Howard E. Wakefield

Director

ERIC Clearinghouse on Educational Facilities

The University of Wisconsin

Madison

November, 1968

FOREWORD

ERIC/CEF is a clearinghouse of information about sites, buildings, and equipment used for educational purposes; included are the efficiency and effectiveness of activities such as planning, financing, constructing, renovating, maintaining, operating, insuring, utilizing, and evaluating educational facilities.

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THE INSTRUCTIONAL MATERIALS CENTER
BY- KLOSTER, ALEXANDER J.
MICHIGAN DEPARTMENT OF EDUCATION, LANSING
PUBLISHED- 65
IN- BULLETIN NO. 369
071 PAGES

DESCRIPTORS- *AUDIOVISUAL AIDS, *INSTRUCTIONAL MATERIALS, *INSTRUCTIONAL MATERIALS CENTERS, *LIBRARIES, CARRELS, INDIVIDUAL STUDY, STUDY FACILITIES

Index Terms (Major terms are preceded by an asterisk)

Abstract

THIS BULLETIN PRESENTS RECOMMENDATIONS WITH REGARD TO PROGRAM, PERSONNEL, AND FACILITIES FOR AN INSTRUCTIONAL MATERIALS ORGANIZATION AND LAYOUTS FOR AN INSTRUCTIONAL MATERIALS CENTER. CASE STUDIES AND EXAMPLES ARE PROVIDED FOR MAKING THE MAXIMUM POSSIBLE USAGE OF THE CENTER WITHIN BOTH THE SCHOOL AND THE COMMUNITY. (BD)

ANNOTATED REFERENCES

ERIC/CEF DOCUMENT NO. EF000015 ED 013 526 DISPOSITION-UFRC 1

PHYSICAL FACILITIES FOR HIGHER EDUCATION IN OKLAHOMA

BY- WALKER, CHARLES R. AND COFFELT, JOHN J.
OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION, OKLAHOMA CITY

PUBLISHED- 64
IN- SELF-STUDY OF HIGHER EDUCATION IN OKLAHOMA - REPORT 5

139 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *EDUCATIONAL NEEDS, *FACILITIES INVENTORY, *FACILITIES UTILIZATION, *FACILITIES GUIDELINES, COLLEGE BUILDINGS, EDUCATIONAL FACILITIES, EDUCATIONAL SPECIFICATIONS, STATE AID

THE REPORT IS A SELF-STUDY OF THE PHYSICAL FACILITIES OF 21 INSTITUTIONS OF HIGHER EDUCATION IN OKLAHOMA. IT INVOLVED THE STUDY OF SUCH TOPICS AS--(1) THE INVENTORY AND EVALUATION OF EXISTING LAND AND BUILDINGS ACCORDING TO CURRENT AND REPLACEMENT VALUE, AGE, QUALITY AND FUTURE USE, (2) THE INVENTORY OF ASSIGNABLE SPACE BY SQUARE FOOTAGE, DISTRIBUTION AND NUMBER OF ROOMS WITHIN ROOM TYPE AND FUNCTION, (3) THE UTILIZATION OF CLASSROOMS AND LABORATORIES BY DAY OF WEEK, HOUR OF DAY, ROOM CAPACITY AND ASSIGNMENT, AND (4) THE PROJECTION OF SPACE NEEDS AND ESTIMATED PHYSICAL PLANT COSTS. DATA WERE COLLECTED BY THE PARTICIPATING INSTITUTIONS AND EVALUATIONS WERE MADE BY A VISITATION TEAM OF RESEARCH STAFF. FORMS USED IN THE STUDY ARE INCLUDED. A NUMBER OF SPECIFIC RECOMMENDATIONS WERE PRESENTED, THE THRUST OF WHICH WAS THAT THE STATE OFFICIALS AND COLLEGE OFFICIALS SHOULD COOPERATE IN THE MAINTENANCE AND IMPROVEMENT OF PRESENT FACILITIES AND LONG-RANGE PLANNING OF NEEDED EDUCATIONAL FACILITIES. (HH)

ERIC/CEF DOCUMENT NO. EF000024 DISPOSITION-UFRC 2

A METHODOLOGY FOR DETERMINING FUTURE PHYSICAL REQUIREMENTS FOR INSTITUTIONS OF HIGHER EDUCATION

BY- YURKOVICH, JOHN V.
WISCONSIN UNIVERSITY, MADISON

PUBLISHED- 66

194 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *COMPUTER ORIENTED PROGRAMS, *FACILITIES GUIDELINES, *FACILITIES INVENTORY, *FACILITIES UTILIZATION, CLASSIFICATION, DATA COLLECTION, ENROLLMENT PROJECTIONS, METHODOLOGY, SYSTEMS DEVELOPMENT

A COMPUTERIZED METHODOLOGY FOR THE PROJECTION OF PHYSICAL FACILITIES NEEDS FOR INSTITUTIONS OF HIGHER EDUCATION WAS DEVELOPED IN A CASE STUDY AT THE UNIVERSITY OF WISCONSIN, MADISON. THE RESEARCH INCLUDED THE DEVELOPMENT, IMPLEMENTATION AND TESTING OF SYSTEMS FOR--(A) SPACE CLASSIFICATION, (B) PERPETUAL SPACE INVENTORY, (C) UTILIZATION OF INSTRUCTIONAL FACILITIES, (D) PROJECTION OF STUDENT ENROLLMENT, (E) PROJECTION OF NECESSARY STAFF, AND (F) INTEGRATION OF STRUCTURED INPUT DATA FOR PROJECTION OF PHYSICAL FACILITIES REQUIREMENTS. THE APPENDICES CONTAIN SAMPLE CODE LISTS, DATA COLLECTION FORMS, REPORT FORMATS, DETAILED GUIDES, AND FLOWCHARTS OF THE PROCEDURES AND THE COMPUTER PROGRAMS DEVELOPED FOR THE METHODOLOGY. (JP)

ERIC/CEF DOCUMENT NO. EF000028 DISPOSITION-UFRC 2

PHYSICAL PLANT INVENTORY AND UTILIZATION STUDY

EASTERN WASHINGTON STATE COLLEGE, CHENEY

PUBLISHED- 63

079 PAGES

DESCRIPTORS- *SPACE CLASSIFICATION, *COLLEGE PLANNING, *FACILITIES INVENTORY, *STUDENT ENROLLMENT, *SPACE UTILIZATION, CLASSROOM SPACE, EDUCATIONAL SPECIFICATIONS, INSTRUCTIONAL ROOM, SPATIAL RELATIONSHIP

THE PURPOSE OF THE REPORT IS TO INCREASE THE EFFICIENCY OF USE OF EXISTING SPACE AND MAKE ROOM FOR MORE STUDENTS AT EASTERN WASHINGTON STATE COLLEGE. THE METHOD AND NORMS USED IS THAT CUTLINED BY THE RUSSELL-DOI AND EFL STUDY OF 60 COLLEGES. RECOMMENDATIONS INCLUDE SUGGESTIONS AS TO REVISION AND TO UPDATING OF THE TIME SCHEDULE AND CURRICULUM. (HH)

ERIC/CEF DOCUMENT NO. EF000047 DISPOSITION-UFRC 1

HORIZONTAL AND VERTICAL CIRCULATION IN UNIVERSITY INSTRUCTIONAL AND RESEARCH BUILDINGS

UNIVERSITY FACILITIES RESEARCH CENTER, MADISON, WISCONSIN

PUBLISHED- 61

026 PAGES

DESCRIPTORS- *BUILDING DESIGN, *CODIFICATION, *COLLEGE BUILDINGS, *COLLEGE PLANNING, *FACILITIES GUIDELINES, FACILITIES UTILIZATION

TO FACILITATE CIRCULATION PLANNING IN BUILDINGS USED FOR HIGHER EDUCATIONAL INSTRUCTION AND RESEARCH, A PILOT STUDY WAS CONDUCTED WITH THE INTENT OF DEVELOPING GENERALIZED RECOMMENDATIONS FOR HORIZONTAL AND VERTICAL CIRCULATION FACILITIES. A SURVEY TECHNIQUE WAS DEVELOPED AND APPLIED TO FOUR CLASSROOM AND TWO RESEARCH BUILDINGS IN ORDER TO OBSERVE AND RECORD--(1) CIRCULATION ON PARTICULAR FLOORS DURING PEAK WORK LOADS, (2) NUMBER OF PERSONS IN EACH ROOM ON A FLOOR DURING THE MORNING, (3) THE LENGTH OF THE KEY CIRCULATION ROUTES, (4) TRAVEL TIME OF KEY ROUTES DURING PEAK PERIODS. DATA ON PERMISSIBLE DENSITY, CLASSROOM UTILIZATION AND PLANNING STANDARDS WERE CONSIDERED IN THE RECOMMENDATIONS FOR HORIZONTAL CIRCULATION. IN ADDITION TO THESE FACTORS, VERTICAL CIRCULATION RECOMMENDATIONS CONSIDERED LAND, BUILDING AND CIRCULATION FACILITIES COSTS. IN ORDER TO PLACE THE STUDY WITHIN THE FRAMEWORK OF CORRECT DESIGN PRACTICE THE HORIZONTAL AND VERTICAL CIRCULATION RECOMMENDATIONS WERE COMPARED WITH BUILDING CODES OF TWO CITIES, THREE STATES AND TWO NATIONAL ASSOCIATIONS. IN ADDITION TO INTRA-BUILDING CIRCULATION, CLASS SCHEDULING AND PHYSICAL PLANT LOCATION WILL DETERMINE CIRCULATION TIME AND DISTANCE. SURVEY PROCEDURE AND THE DATA COLLECTION FORM ARE PRESENTED IN THE APPENDIX. (BH)

ERIC/CEF DOCUMENT NO. EF000077 DISPOSITION-UFRC 2

TO BUILD OR NOT TO BUILD, A REPORT ON THE UTILIZATION AND PLANNING OF INSTRUCTIONAL FACILITIES IN SMALL COLLEGES

BY- JAMRICH, JOHN X.
EDUCATIONAL FACILITIES RESEARCH CENTER, NEW YORK, N. Y.

PUBLISHED- 62

74 PAGES

DESCRIPTORS- *BUILDINGS, *COLLEGE PLANNING, *FACILITY INVENTORY, *FACILITY UTILIZATION RESEARCH, *METHODOLOGY, CAMPUS PLANNING, EDUCATIONAL TRENDS, SPACE UTILIZATION, STUDENT ENROLLMENT, STUDENT TEACHER RATIO

THE REPORT GIVES AN EXTENSIVE COLLECTION OF DATA ASSEMBLED FROM OVER 60 FOUR-YEAR, DEGREE-GRANTING, LIBERAL ARTS COLLEGES IN THE NORTH CENTRAL REGION OF THE UNITED STATES ALL OF THEM WITH ENROLLMENTS UNDER 3000. THE PURPOSE OF THE REPORT IS TO HELP INCREASE THE EFFICIENCY OF USE OF EXISTING SPACE TO MAKE ROOM FOR MORE STUDENTS THEREBY REDUCING THE QUANTITY OF NEW SPACE TO BE BUILT. THE DATA FOCUS UPON IMPROVEMENT OF UTILIZATION OF EXISTING INSTRUCTIONAL SPACE AND PLANNING NEW SPACE. A UNIQUE FEATURE OF THIS REPORT IS A SPACE UTILIZATION WORKBOOK FOR DETERMINING HOW INSTRUCTIONAL SPACE IS BEING USED. THE DATA IS INTENDED AS AN AID TO ANY LIBERAL ARTS COLLEGE EMBARKING ON A SPACE UTILIZATION STUDY. COPIES OF THIS REPORT MAY BE OBTAINED FROM EDUCATIONAL FACILITIES LABORATORIES, INC., 477 MADISON AVENUE, NEW YORK, N. Y. 10022. (HH)

ERIC/CEF DOCUMENT NO. EF000180 DISPOSITION-CERS 2

FUAP--FACILITIES UTILIZATION ANALYSIS PROGRAM

BY- SEDREL, ROY AND RICHARDSON, E. GORDON
IOWA UNIVERSITY, IOWA CITY, IOWA EDUCATIONAL INFORMATION CENTER

014 PAGES

DESCRIPTORS- *FACILITIES UTILIZATION, *COMPUTER PROGRAMS, PROGRAMING

A HIGH SPEED COMPUTER IS RECOMMENDED FOR PERFORMING CALCULATIONS AND PRODUCING TABLES ON CURRENT FACILITY UTILIZATION. INCREASED EFFICIENCY AND COST REDUCTION ARE SUGGESTED RESULTS OF THIS PROGRAM. FACILITY USAGE IS ANALYZED BY ESTABLISHING RELATIONSHIPS BETWEEN FACTORS OF SPACE CAPACITY AND SPACE OCCUPANCY. FOUR FORMULAS USED DETERMINE ROOM UTILIZATION BY TIME PERIOD, TOTAL ROOM UTILIZATION, BUILDING UTILIZATION BY TIME PERIOD, AND TOTAL BUILDING UTILIZATION. THE PROGRAM WILL ANALYZE FROM 1 TO 200 SPACES, CATEGORIZED BY TYPE OF SPACE, FOR EACH TIME PERIOD OF THE SCHOOL DAY. THE PROGRAM IS WRITTEN IN FORTRAN IV AND REQUIRES A MEMORY CAPACITY OF 15,000 WORDS. INPUT DATA REQUIRED ARE TYPE DESCRIPTION, ROOM DESCRIPTION, AND ROOM USE. FROM THREE TO EIGHTEEN OUTPUT TABLES ARE POSSIBLE. TABLE 1 PRESENTS BY ROOM THE AREA IN SQUARE FEET, THE NUMBER OF SQUARE FEET PER ACTUAL PUPIL STATION, THE RECOMMENDED NUMBER OF SQUARE FEET PER STATION, MAXIMUM NUMBER OF PUPIL STATIONS PERMITTED, THE STANDARD NUMBER OF PUPIL STATIONS THE ROOM WILL ACCOMMODATE, AND THE DIFFERENCE BETWEEN MAXIMUM AND STANDARD NUMBER OF PUPIL STATIONS. TABLE 2 PRESENTS THE PERCENT OF UTILIZATION EACH PERIOD IN THE DAY FOR EACH ROOM IN THE BUILDING. TABLE 3 IS SIMILAR TO TABLE 2 BUT UTILIZATION IS BASED UPON MAXIMUM NUMBER OF PUPIL STATIONS RATHER THAN ACTUAL NUMBER. TABLES 4 TO 18 PRESENT PERCENTGES OF UTILIZATION OF EACH ROOM SUMMARIZED BY TYPE OF ROOM. THE PROGRAM SAVED ALMOST 8 HOURS TIME AND FROM $75.00 TO $100.00. THREE APPENDICES SHOW SAMPLE FORMS.

ERIC/CEF DOCUMENT NO. EF000459 DISPOSITION-CERS 2

THE CASTALDI NOMOGRAM (AN AID FOR TRANSLATING THE CURRICULUM OF JUNIOR AND SENIOR HIGH SCHOOLS INTO THE NECESSARY NUMBER OF INSTRUCTIONAL SPACES OR CLASSROOMS)

BY- CASTALDI, BASIL
NEW ENGLAND SCHOOL DEVELOPMENT COUNCIL, CAMBRIDGE, MASSACHUSETTS

PUBLISHED-DEC53

032 PAGES

DESCRIPTORS- *CLASSROOMS, *EDUCATIONAL PLANNING, *FACILITIES UTILIZATION, LANNING

AN EQUATION IS PRESENTED AS A TOOL OR AN AID FOR TRANSLATING ANY SPECIFIC EDUCATIONAL PROGRAM OR CURRICULUM INTO PHYSICAL SPACE REQUIREMENTS IN A PROPOSED SECONDARY SCHOOL BUILDING. THIS AID CONSISTS OF THREE SPECIALLY DESIGNED CHARTS FOR DETERMINING THE NUMBER OF TEACHING STATIONS REQUIRED TO HOUSE ANY GIVEN ENROLLMENT OF PUPILS IN ANY SUBJECT. FURTHER USES ARE TO DETERMINE CLASS SIZE TO DISCOVER THE ADEQUACY OF PROPOSED MULTI-PURPOSE ROOMS, AND TO COMPUTE THE FRACTION OF A SCHOOL DAY ROOMS OR A ROOM WILL BE USED FOR ANY GIVEN SUBJECT OR COMBINATION THEREOF UNDER CERTAIN CONDITIONS. A SPECIFIC EXAMPLE IS USED TO FAMILIARIZE THE READER WITH THE FIVE STEPS USED IN THE FORMULA. AN EDUCATIONAL PROGRAM IS ALSO PRESENTED TO SHOW HOW THE FORMULA IS USED IN A REALISTIC SITUATION.

ERIC/CEF DOCUMENT NO. EF000508 DISPOSITION-CERS 1

FACILITIES FOR PHYSICAL FITNESS

BY- MUSIAL, STAN

PUBLISHED-MAY65
IN- AMERICAN SCHOOL AND UNIVERSITY, MAY 65, PP. 53-56

3 PAGES

DESCRIPTORS- *FACILITY UTILIZATION RESEARCH, *PHYSICAL DEVELOPMENT, *PHYSICAL EDUCATION, *PLANNING, ATHLETIC ACTIVITIES, CURRICULUM PLANNING, PHYSICAL ACTIVITIES, PHYSICAL FITNESS, PHYSICAL RECREATION PROGRAMS, RECREATIONAL ACTIVITIES , SCHOOL PLANNING

THIS ARTICLE CITES THE LOW PRIORITY THAT PHYSICAL EDUCATION GENERALLY HAS IN CURRICULUM AND SCHOOL FACILITY PLANNING. IT ALSO CITES THE REASONS FOR DEVELOPING MORE ADEQUATE PHYSICAL EDUCATION FACILITIES--(1) OUR WAY OF LIFE NO LONGER PROVIDES VIGOROUS PHYSICAL ACTIVITY NECESSARY FOR HEALTHY DEVELOPMENT, (2) A DIRECT RELATIONSHIP EXISTS BETWEEN PHYSICAL FITNESS AND ACADEMIC AND SOCIAL PERFORMANCE,AND (3) INCREASED LEISURE TIME REQUIRES THAT PEOPLE BE PREPARED TO USE IT ENJOYABLY AND CONSTRUCTIVELY. THE ARTICLE INCLUDES RECOMMENDATIONS FOR FACILITIES FOR A HIGH SCHOOL PHYSICAL EDUCATION PROGRAM--BOYS AND GIRLS GYMNASIUMS WITH APPARATUS AND EXERCISE ROOMS, A SWIMMING POOL, PLAYINGFIELDS, COURTS AND HARD SURFACE AREAS, AN OUTDOOR RECREATION AREA, AN OBSTACLE COURSE, ATHLETIC FACILITIES FOR WELL-ROUNDED INTRAMURAL AND VARSITY PROGRAMS, AND ADEQUATE LOCKER AND SHOWER FACILITIES. CITED AS AN EXAMPLE IS THE SPACE AND FACILITIES REQUIREMENTS FOR A PHYSICAL EDUCATION PROGRAM SET UP BY THE STATE DEPARTMENT OF EDUCATION OF CALIFORNIA. PHYSICAL EDUCATION FACILITIES SHOULD BE USED DURING EVENINGS, ON WEEKENDS, AND DURING THE SUMMER MONTHS. THE ARTICLE RECOMMENDS THAT PHYSICAL EDUCATION FACILITIES BE PLANNED FOR INSTRUCTION, SCHOOL RECREATION AND COMMUNITY USE. THIS ARTICLE APPEARED IN THE MAY, 1965 ISSUE OF AMERICAN SCHOOL AND UNIVERSITY. COPIES MAY BE OBTAINED FROM ARNOLD BLOOM, EDITOR, BUTTENHEIM PUBLISHING CORP., 757 THIRD AVENUE, NEW YORK, N.Y. 10017. (GM)

ERIC/CEF DOCUMENT NO. EF000901 ED 015 628 DISPOSITION-UFRC 1

GUIDELINE PROCEDURES AND CRITERIA FOR CAMPUS DEVELOPMENT AND CAPITAL OUTLAY PLANNING

BY- MASON, THOMAS R.
ASSOCIATION OF STATE INSTITUTIONS OF HIGHER EDUCATION IN COLORADO

PUBLISHED-APR64

476 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *CAPITAL OUTLAY (FOR FIXED ASSETS), *COLLEGE BUILDINGS, *FACILITY GUIDELINES, *FACILITY UTILIZATION RESEARCH, CONSTRUCTION COSTS, CRITERIA, EDUCATIONAL COMPLEXES, LAND USE

THE PURPOSE OF THIS MANUAL IS TO PROVIDE A BASIS FOR SYSTEMATICALLY PROGRAMMING THE REQUIREMENTS FOR PHYSICAL PLANT AND LAND TO ACCOMMODATE THE NEEDS OF AN INSITUTION UNDER A SPECIFIED SET OF CIRCUMSTANCES. THE MANUAL IS ORGANIZED INTO SIX BROAD ELEMENTS--(1) ACTIVITY LEVELS OF ENROLLMENT, INSTRUCTIONAL WORKLOADS AND STAFF REQUIREMENTS, (2) PLANNING CRITERIA FOR UTILIZATION AND PHYSICAL FACTORS, (3) SPACE REQUIREMENTS NEEDED FOR ANY FUNCTIONAL CATEGORY OF THE INSTITUTION, (4) BUILDING OCCUPANCY PROGRAMS FOR THE DISRIBUTION OF INSTITUTIONAL SPACE REQUIREMENTS AMONG PRESENT AND FUTURE BUILDINGS, (5) CAMPUS DEVELOPMENT AND LAND REQUIREMENTS FOR BUILDINGS, PARKING FACILITIES, AND ATHLETIC FACILITIES, AND (6) CAPITAL BUDGETING FOR MAINTENANCE AND ALTERATION OF PRESENT BUILDINGS, COSTS OF NEW CONSTRUCTION AND LAND ACQUISITION. WORKSHEETS ARE PROVIDED FOR A THOROUGH COLLECTION OF DATA AND ANALYSIS IN THE ABOVE NOTED AREAS. (HH)

ERIC/CEF DOCUMENT NO. EF000935 DISPOSITION-EDC- 2

ENVIRONMENT FOR LEARNING

HERMAN BLUM CONSULTING ENGINEERS, AUSTIN, TEXAS

PUBLISHED- 65

20 PAGES

DESCRIPTORS- *AIR CONDITIONING EQUIPMENT, *BUILDING IMPROVEMENT, *FACILITY CASE STUDIES, *HIGH SCHOOL DESIGN, *PHYSICAL DESIGN NEEDS, BUILDING OBSOLESCENCE, ENVIRONMENTAL INFLUENCES, HEATING, LEARNING, LIGHTING, SCHOOL CONSTRUCTION, VENTILATION

DEALS WITH THE CASE STUDY OF STEPHEN F. AUSTIN HIGH SCHOOL, AUSTIN, TEXAS. THIS FACILITY WAS UPDATED BY AIR CONDITIONING, RELIGHTING, AND REHEATING AFTER FOUR DECADES OF SERVICE. ENGINEERING AND CONSTRUCTION TECHNIQUES USED ARE REVIEWED. CHARTS, GRAPHS, AND PHOTOGRAPHS ARE INCLUDED. (RK)

ERIC/CEF DOCUMENT NO. EF000961 DISPOSITION-EDC- 2

RESEARCH STUDY IN THE COST OF HOUSING

NEW YORK STATE DIVISION OF HOUSING AND COMMUNITY RENEWAL, ALBANY

PUBLISHED-OCT62
IN- VOL. III

34 PAGES

DESCRIPTORS- *BUILDING MATERIALS, *CONSTRUCTION COSTS, *ENVIRONMENTAL RESEARCH, *FACILITY CASE STUDIES, *HOUSING, MAINTENANCE, STRUCTURAL SYSTEMS

RESULTS OF A STUDY BASED ON EXPERIMENTS CONDUCTED IN MULTISTORY FIREPROOF STRUCTURES OF PUBLIC HOUSING PROJECTS AND IN A MOCK-UP SIMULATING ALL CONDITIONS OF A FIREPROOF STRUCTURE. THE FINDINGS ARE BASED ON TESTS CONDUCTED DURING SEVERAL WINTER SEASONS, NONE OF WHICH DEVIATED MARKEDLY FROM A NORM IN NEW YORK CITY. RESULTS ARE--(1) A STRUCTURE WITH CONVENTIONAL CAVITY WALLS WITH SINGLE GLAZED SASH REQUIRES 2.3 TIMES AS MUCH ENERGY TO HEAT AS A STRUCTURE WITH POLYSTYRENE INSULATED CAVITY WALLS AND DOUBLE GLAZED SASH WITH THERMO-BARRIER FRAMES, (2) SAVINGS IN THE INITIAL CONSTRUCTION ARE ESTIMATED AT $10,150.00, AND (3) THE SAVINGS IN THE COST OF MAINTENANCE ARE INDICATED AT $15,531.00 PER ANNUM. INCLUDED IS A HISTORY OF THE EXPERIMENT ALONG WITH DRAWINGS AND CHARTS. (RK)

ERIC/CEF DOCUMENT NO. EF000993 DISPOSITION-CERS 1

SCHOOL PLANT MANAGEMENT FOR SCHOOL ADMINISTRATORS

BY- ENGMAN, JOHN DAVID
GULF SCHOOL RESEARCH DEVELOPMENT ASSOCIATION, HOUSTON, TEXAS

PUBLISHED- 62

235 PAGES

DESCRIPTORS- *FACILITY UTILIZATION RESEARCH, *HEALTH FACILITIES, *MAINTENANCE, *PLANNING, *SCHOOL ADMINISTRATION, ELEMENTARY SCHOOLS, HIGH SCHOOLS, SCHOOL MAINTENANCE

THIS REPORT IS A COMPILATION OF STUDIES ON SIGNIFICANT ASPECTS IN SCHOOL PLANNING AND OPERATION. A RELATIONSHIP IS SHOWN BETWEEN CURRICULUM, PERSONNEL AND AUXILIARY SERVICES IN EDUCATIONAL PROGRAM OPERATIONS. THE REPORT INCLUDES PLANNING, MANAGEMENT AND OPERATION OF SUCH AREAS AS--NONINSTRUCTIONAL PERSONNEL POLICIES, CUSTODIAL SERVICES, OPERATIONAL AND PREVENTIVE MAINTENANCE, AESTHETICS AND THE SCHOOL PLANT, PLANT UTILIZATION, COMMUNITY RELATIONS, PLANT SAFETY AND HYGIENE, SCHOOL MODERNIZATION, THE SCHOOL BUSINESS OFFICE, AND THE EVALUATION OF PLANT MANAGEMENT PROCEDURES. RECORD, ORDER AND EVALUATION FORMS AS WELL AS BIBLIOGRAPHIES ARE INCLUDED FOR A NUMBER OF THE STUDIES. THIS DOCUMENT IS ALSO AVAILABLE FROM THE GULF SCHOOL RESEARCH DEVELOPMENT ASSOCIATION, 3801 CULLEN BOULEVARD, HOUSTON 4, TEXAS, FOR $2.50. (GM)

ERIC/CEF DOCUMENT NO. EF001241 DISPOSITION-UFRC 1

THE ROLE OF INSTITUTIONAL RESEARCH IN PLANNING

BY- LINS, L. JOSEPH
WISCONSIN UNIVERSITY, MADISON, OFFICE OF INSTITUTIONAL STUDIES

PUBLISHED- 63
IN- PROCEEDINGS OF 3RD ANNUAL NATIONAL INSTITUTIONAL RESEARCH FORUM, MC GREGOR CONFERENCE CENTER, WAYNE STATE UNIVERSITY, MAY 5-7, 1963

173 PAGES

DESCRIPTORS- *FEASIBILITY STUDIES, *HIGHER EDUCATION, *INSTITUTIONAL RESEARCH, *PLANNING, *STAFF ROLE, ADMISSION CRITERIA, FACULTY EVALUATION, FOLLOWUP STUDIES, TEACHER MORALE

THIS DOCUMENT CONTAINS PAPERS OFFERED AT A CONFERENCE ON INSTITUTIONAL RESEARCH AT WAYNE STATE UNIVERSITY. CONSIDERATIONS WERE OFFERED ON THE ROLE PLAYED BY INSTITUTIONAL RESEARCH IN CAMPUS PLANNING, STUDENT ADMISSION AND FOLLOWUP STUDIES, FACULTY EVALUATION, INTERINSTITUTIONAL COOPERATION AND ADAPTATION TO NEW DEVELOPMENTS IN EDUCATION. PAPERS WERE PRESENTED BY REPRESENTATIVES FROM SMALL AND LARGE PRIVATE UNIVERSITIES AND COLLEGES AS WELL AS THOSE FROM PUBLIC INSTITUTIONS OF HIGHER EDUCATION. DIFFERING VIEWPOINTS OF THE ROLE OF THE RESEARCHER WERE OFFERED. VARIOUS METHODS OF STATISTICAL ANALYSIS AND DATA COLLECTION WERE PRESENTED. RUSSELL'S QUESTIONNAIRE ON FACULTY SATISFACTIONS AND DISSATISFACTIONS WAS INCLUDED IN AN APPENDIX. (JP)

ERIC/CEF DOCUMENT NO. EF001257 DISPOSITION-UFRC 2

STATE-WIDE SPACE SURVEY (A SURVEY OF THE AMOUNT AND UTILIZATION OF NONRESIDENTIAL SPACE AVAILABLE FOR HIGHER EDUCATION IN ILLINOIS)

ILLINOIS STATE BOARD OF HIGHER EDUCATION, SPRINGFIELD

PUBLISHED-NOV66

178 PAGES

DESCRIPTORS- *DATA COLLECTION, *FACILITY INVENTORY, *FACILITY UTILIZATION RESEARCH, *STATE UNIVERSITIES, *HIGHER EDUCATION, AUDITORIUMS, CLASSROOMS, COLLEGE UNIONS, GYMNASIUM, HEALTH SERVICES, LIBRARIES, MUSEUM

A SURVEY OF THE AMOUNT AND UTILIZATION OF NONRESIDENTIAL STATE UNIVERSITY CAMPUS SPACE IN ILLINOIS AVAILABLE FOR POTENTIAL HIGHER EDUCATION CLASSROOM USAGE IS PRESENTED FOR ALL OF THE PUBLIC COLLEGES AND UNIVERSITIES IN ILLINOIS. THE SURVEY CATEGORIZED THE SPACE (1) BY AN INVENTORY OF NET ASSIGNABLE SPACE AND (2) BY THE UTILIZATION OF NET ASSIGNABLE SPACE FOR CLASSROOMS, INSTRUCTIONAL LABORATORIES, OTHER TEACHING FACILITIES, OFFICES, LIBRARY, GYMNASIUM, STUDENT UNION, BOOKSTORE, HOSPITAL AND HEALTH SERVICES, AUDITORIUM, MUSEUM, AND THEATER. A ROOM PERIOD USAGE INVENTORY IS GIVEN FOR CLASSROOMS AND INSTRUCTIONAL LABORATORIES. RECOMMENDATIONS AND SUGGESTED TECHNIQUES ARE GIVEN FOR ACHIEVING UTILIZATION STANDARDS. THE APPENDIX INCLUDES TABLES OF DATA COLLECTED BY THE SURVEY FROM EACH OF THE COLLEGES AND UNIVERSITIES. (HH)

ERIC/CEF DOCUMENT NO. EF001260 ED 017 141 DISPOSITION-UFRC 1

RESEARCH DESIGNED TO IMPROVE INSTITUTIONS OF HIGHER LEARNING

BY- BRUMBAUGH, A. J.
AMERICAN COUNCIL ON EDUCATION, WASHINGTON, D.C., OFFICE OF STATISTICAL INFORMATION AND RESEARCH

PUBLISHED-APR60

056 PAGES

DESCRIPTORS- *ACTION RESEARCH, *INSTITUTIONAL RESEARCH, *METHODOLOGY, *PROGRAM IMPROVEMENT, *SELF EVALUATION, ADMINISTRATION, EDUCATIONAL RESEARCH, FACILITY UTILIZATION RESEARCH, OPERATIONS RESEARCH, POLICY FORMATION

THIS DOCUMENT DISCUSSES THE BROAD AREA OF INSTITUTIONAL SELF-STUDY WHICH IS NEEDED IN POLICY DECISIONS, PLANNING, MANAGEMENT AND EVALUATION. THE SPECIFIC AREAS OF INSTITUTIONAL RESEARCH INCLUDE-- (1) GOALS, (2) STUDENT, (3) FACULTY, (4) CURRICULUM, (5) FACILITIES, (6) ADMINISTRATION, (7) FINANCE, AND (8) PUBLIC RELATIONS. THE FUNCTIONAL ASPECTS OF CONDUCTING RESEARCH ARE CONSIDERED BY FOCUSING ON FACTORS THAT INFLUENCE PLANS OF ORGANIZATION AND PLANS ACTUALLY IN EFFECT. FACTORS INVOLVED IN EFFECTIVE RESEARCH ARE ALSO PRESENTED. THE APPENDICES GIVE EXAMPLES OF INSTITUTIONAL PROBLEMS FOR POLICY DECISIONS, OF HOW SOME INSTITUTIONS ORGANIZE RESEARCH, AND OF CHANGES ATTRIBUTED TO INSTITUTIONAL RESEARCH. (HH)

ERIC/CEF DOCUMENT NO. EF001264 DISPOSITION-UFRC 2

PRINCETON UNIVERSITY ACADEMIC PHYSICAL PLANT (DEPARTMENTS OF MATHEMATICS AND PHYSICS)

TAYLOR, LIEBERFELD AND HELDMAN, INC., NEW YORK, NEW YORK

PUBLISHED-JAN61

125 PAGES

DESCRIPTORS- *BUILDING INNOVATION, *COLLEGE BUILDINGS, *CONSTRUCTION NEEDS, *FACILITY UTILIZATION RESEARCH, *SCIENCE FACILITIES, CLASSROOMS, LABORATORIES, LIBRARIES, MATHEMATICS, PHYSICS

THIS REPORT WAS PREPARED BY THE CONSULTING FIRM OF TAYLOR, LIEBERFELD AND HELDMAN, INC. FOR PRINCETON UNIVERSITY TO PROPOSE A BUILDING PROGRAM WHICH WOULD SATISFY THE SPACE NEEDS OF THE MATHEMATICS AND PHYSICS DEPARTMENTS. THE PROPOSED PROGRAM OF RENOVATION AND NEW CONSTRUCTION TOOK INTO ACCOUNT--(1) ENROLLMENT EXPECTATION, (2) RELATIONSHIP OF TEACHING AND RESEARCH, (3) PHASING OUT OF PRESENT TEMPORARY BUILDINGS, (4) SPECIALIZED LIBRARY NEEDS. THE UTILIZATION DATA WAS COLLECTED BY CATEGORIES--(1) REGISTRATION, (2) NUMBER OF COURSE OFFERINGS, (3) SIZE AND NUMBER OF MEETINGS/WEEK, (4) SPACE REQUIREMENTS AND SPACE AVAILABILITY FOR OFFICES, LABORATORIES, CLASSROOMS, RESEARCH, STORAGE, (5) COMMON SERVICE SPACE REQUIREMENTS, (6) USE OF LIBRARY. THE RECOMMENDATIONS OF THE CONSULTANTS FOCUSED ON (1) SPECIFIC SPACE NEEDS FOR EACH DEPARTMENT, (2) NEW SPACE THAT SHOULD BE CONSTRUCTED, (3) DISTRIBUTION OF SPACE TO THE TWO DEPARTMENTS BASED ON PROJECTED ENROLLMENTS IN THE TWO DEPARTMENTS. TABLES RELATING TO THE ABOVE AREAS ARE INCLUDED. (HH)

ERIC/CEF DOCUMENT NO. EF001289 DISPOSITION-UFRC 1

A NEW TOOL FOR EDUCATIONAL ADMINISTRATORS (EDUCATIONAL EFFICIENCY THROUGH SIMULATION ANALYSIS)

BY- JUDY, RICHARD W. AND LEVINE, JACK B.
ASSOCIATION OF UNIVERSITIES AND COLLEGES OF CANADA, OTTAWA

PUBLISHED- 65

041 PAGES

DESCRIPTORS- *COMPUTER PROGRAMS, *HIGHER EDUCATION, *INSTITUTIONAL RESEARCH, *SIMULATION, *SYSTEMS ANALYSIS, BUDGETS, ENROLLMENT PROJECTIONS, FACULTY LOAD, SPACE REQUIREMENTS

IN A STUDY AT THE UNIVERSITY OF TORONTO, CANADA, A SIMULATION MODEL WAS DEVELOPED TO AID INSTITUTIONAL PLANNING FOR THE UNDERGRADUATE LEVEL OF HIGHER EDUCATION. BY DEVELOPING A CONCEPTUAL FRAMEWORK FOR THE QUANTIFICATION OF RESOURCE MANAGEMENT, THE AUTHORS EXPLORE THE EDUCATION FUNCTION IN TERMS OF THE FACTORS OF CONTROL AFFECTING DECISION MAKING BY THE ADMINISTRATION. THE SYSTEM SIMULATION MODEL 'CAMPUS', IMITATES THE INTERACTION OF IMPORTANT ACTIVITY LEVELS, UNCONTROLLABLE VARIABLES, SYSTEM PARAMETERS AND RESOURCE REQUIREMENTS. THE AREAS ANALYZED BY USING THE MODEL ARE ENROLLMENT FORMULATION, RESOURCE LOADING, SPACE REQUIREMENTS AND BUDGETARY CALCULATION. BENEFITS OF THIS SYSTEM INCLUDE INFORMATION FOR PLANNING, JUSTIFICATION OF BUDGETS AND EVALUATION OF PROPOSED CHANGES IN SYSTEM PARAMETERS. COPIES OF THIS BOOK ARE AVAILABLE FOR $1.00 FROM THE UNIVERSITY OF TORONTO PRESS, UNIVERSITY OF TORONTO, TORONTO 5, CANADA. (JP)

ERIC/CEF DOCUMENT NO. EF001290 ED 018 949 DISPOSITION-UFRC 1

CAPITAL REQUIREMENTS STUDY

BY- BLAKESLEY, JAMES F. AND SHERWOOD, W. CHARLES AND WILLIAMS, FRED E.
PURDUE UNIVERSITY, WEST LAFAYETTE, INDIANA, DEPARTMENT OF SCHEDULES AND SPACE

PUBLISHED-APR64
IN- PRESENTED AT THE WORKSHOP SEMINAR ON PLANNING PHYSICAL FACILITIES FOR HIGHER EDUCATION, UNIVERSITY OF WISCONSIN, JUNE 16, 1964

C81 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *EDUCATIONAL FINANCE, *FACILITY GUIDELINES, *FINANCIAL POLICY, *METHODOLOGY, CAPITAL OUTLAY (FOR FIXED ASSETS), CLASS ORGANIZATION, CLASS SIZE, CURRICULUM DEVELOPMENT, DATA COLLECTION, ENROLLMENT PROJECTIONS, FACILITY INVENTORY, FACILITY UTILIZATION RESEARCH, FINANCIAL NEEDS, STAFF UTILIZATION

THE PURPOSES OF THIS STUDY WERE--(1) TO FORMULATE A MODEL FOR ESTIMATING FUTURE PHYSICAL REQUIREMENTS CAPABLE OF EQUITABLY DIFFERENTIATING AND SUMMARIZING THE INDIVIDUAL NEEDS OF INDIANA'S FOUR STATE-SUPPORTED INSTITUTIONS, AND (2) TO DETERMINE AN ALLOCATION FORMULA FOR DISTRIBUTION OF AVAILABLE CAPITAL APPROPRIATIONS WITH BIENNIAL PROVISIONS FOR ADJUSTMENTS DUE TO FLUCTUATIONS IN ESTIMATED ENROLLMENTS AND CURRICULAR CHANGES. THE PLAN, SIMPLY STATED, REQUIRED THAT CURRENT 1962-3 FACILITIES BE SUBTRACTED FROM 1972-73 NEEDS, AND THAT THE RESULTING ADDITIONAL SPACE FOR EACH INSTITUTION REPRESENTED ITS PROPORTIONAL SHARE OF THE TOTAL 1962-1972 REQUIREMENTS. THE STUDY IS DIVIDED INTO FOUR MAJOR COMPONENTS--(1) THE COLLECTION AND CLASSIFICATION OF DATA CONCERNING STUDENTS, STAFF AND SPACE, (2) THE JOINT DEVELOPMENT OF APPROPRIATE AND EQUITABLE SPACE FACTORS AND RATIOS, (3) THE ESTABLISHMENT OF ENROLLMENT ESTIMATES FOR THE ACADEMIC YEAR 1972-73, AND (4) THE PROCEDURAL STEPS AND CALCULATIONS COMBINING THE ABOVE ITEMS INTO A SUMMARY REPORT OF FUTURE REQUIREMENTS. PRESENTED IN THIS REPORT IS THE METHODOLOGY, THE CALCULATED REQUIREMENTS, THE COLLECTED DATA ON STUDENT ENROLLMENT, STAFF AND SPACE INVENTORY, AND MANAGEMENT REPORTS ON ROOM UTILIZATION, CLASS ORGANIZATION, CLASS HOUR DISTRIBUTION AND PURDUE UNIVERSITY'S CLASSROOM REQUIREMENTS FOR 1960-68. (BH)

ERIC/CEF DOCUMENT NO. EF001291 DISPOSITION-UFRC 2

EDUCATIONAL FACILITY NEEDS (THE NEXT TEN YEARS)

MARYLAND UNIVERSITY, COLLEGE PARK

PUBLISHED-JUL62

399 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *EDUCATIONAL OBJECTIVES, *ENROLLMENT PROJECTIONS, *FACILITIES UTILIZATION, *MASTER PLANS, FACILITY INVENTORY, LAND USE, LIBRARIES, STUDENT PERSONNEL SERVICES, FACILITY GUIDELINES

THE REPORT DESCRIBES THE PLANNING FOR THE UNIVERSITY OF MARYLAND FACILITIES AT THE COLLEGE PARK AND BALTIMORE CAMPUSES. DATA WAS FROM THE FACULTY OF EACH DEPARTMENT. THIS COMPILATION WAS BASED ON SMALLER STUDIES OF FACILITIES, USE OF SPACE, ENROLLMENT FACTOR, PROJECTION GUIDES, CLASSROOMS, AUXILIARY FACILITIES, AND DEPARTMENT NEEDS. AREAS DESCRIBED ARE (1) PRESENT LAND AND FACILITIES WITH TABLES, CAMPUS LAYOUT DIAGRAM, ENROLLMENTS, AND PROJECTIONS, (2) UNDERGRADUATE, EVENING SCHOOL, PROFESSIONAL, GRADUATE, AND SUMMER PROGRAMS, (3) OBJECTIVES, PROGRAMS, FACILITIES, FUTURE NEEDS FOR EACH COLLEGE ON THE COLLEGE PARK CAMPUS AND FOR EACH COLLEGE ON THE BALTIMORE CAMPUS. THE APPENDIX PROVIDES TABLES FOR THE SPACE USE BY BUILDINGS, INVENTORY OF EXISTING FACILITIES, AND PLOT PLANS OF UNIVERSITY PROPERTY FOR BOTH CAMPUSES. (HH)

ERIC/CEF DOCUMENT NO. EF001337 DISPOSITION-UFRC 2

TRANSLATING THE EDUCATIONAL PROGRAM OF AN INSTITUTION INTO PHYSICAL FACILITY REQUIREMENTS

BY- BAREITHER, H. D.
ILLINOIS UNIVERSITY, URBANA

PUBLISHED-APR66
IN- CONFERENCE ON ARCHITECTURE AND THE COLLEGE AT THE UNIVERSITY OF ILLINOIS APRIL 18, 1966

050 PAGES

DESCRIPTORS- *EDUCATIONAL PROGRAMS, *FACILITY REQUIREMENTS, *NUMERIC METHOD, *PROGRAM STATEMENT, *SPACE REQUIREMENTS, FACILITY EXPANSION, FACILITY UTILIZATION RESEARCH, HIGHER EDUCATION, STUDENT ENROLLMENT

IN ORDER TO TRANSLATE THE EDUCATIONAL PROGRAM OF AN INSTITUTION INTO PHYSICAL FACILITY REQUIREMENTS, THE TYPES OF SPACE AVAILABLE AND THE FACTORS GENERATING SPACE REQUIREMENTS NEED TO BE KNOWN. THE NUMERIC METHOD OF TRANSLATING PROGRAM TO FACILITY NEEDS IS RECOMMENDED IN THIS REPORT. SPACE IS CATEGORIZED INTO 'BUILDING BLOCKS.' SCHOOL POLICIES, PROGRAMS, AND ENROLLMENT DATA ARE INPUTS TO THE SYSTEM. ENROLLMENT IS WEIGHTED ACCORDING TO 'INSTRUCTIONAL EFFORT.' THE REQUIREMENTS OF A PROGRAM STATEMENT ARE OUTLINED IN THE REPORT AND A SAMPLE STATEMENT IS INCLUDED IN APPENDIX. (JP)

ERIC/CEF DOCUMENT NO. EF001405 DISPOSITION-CERS 2

SCHOOL BUILDING SURVEY FOR WILLCOX, ARIZONA

BY- STOKES, MARSDEN B. AND FUNK, WILLIAM R.
ARIZONA UNIVERSITY, TUCSON, BUREAU OF EDUCATIONAL RESEARCH AND SERVICE

PUBLISHED-AUG67

094 PAGES

DESCRIPTORS- *DEMOGRAPHY RESEARCH, *FACILITIES UTILIZATION, *FINANCIAL SUPPORT, *SCHOOL MAINTENANCE, *SCHOOL PLANNING,

THIS DOCUMENT REVIEWS THE DETERMINANTS OF SCHOOL BUILDING NEEDS IN THE WILLCOX, ARIZONA SCHOOL DISTRICT. CONSULTANTS FROM THE UNIVERSITY OF ARIZONA WERE RETAINED BY THE DISTRICT TO CONDUCT THE SURVEY. THE STUDY PRESENTS A TEN-YEAR PROJECTION OF PUPIL POPULATION IN THE DISTRICT DETERMINED BY THE SURVIVAL TECHNIQUE USING CITY CENSUS, POSTAL RECEIPTS, AGRICULTURAL EMPLOYMENT, SCHOOL CENSUS, BUILDING PERMITS, AND BIRTH RATES AS INDICATORS OF FUTURE SCHOOL MEMBERSHIP. THE EXISTING SCHOOL BUILDINGS WERE SURVEYED FOR STRENGTHS AND SHORTCOMING ON THE BASIS OF STANDARDS PRESCRIBED BY THE NATIONAL COUNCIL FOR SCHOOLHOUSE CONSTRUCTION. SOME MAJOR SHORTCOMINGS IN THE PRIMARY GRADE BUILDINGS WERE DISCERNED AND A REPLACEMENT SCHEDULE FOR A PORTION OF THE BUILDINGS WAS SUGGESTED IN ADDITION TO IMPROVED MAINTENANCE PROGRAMS IN OTHER PORTIONS OF THE BUILDINGS. THE SAME PROCEDURE WAS FOLLOWED FOR THE JUNIOR AND SENIOR HIGH BUILDINGS. IN VIEW OF THE POTENTIAL DECLINE IN THE PUPIL POPULATION, THERE WAS NO NEED FOR ADDITIONAL CLASSROOM SPACE EXCEPT TO REPLACE SUBSTANDARD FACILITIES PRESENTLY IN EXISTENCE, OR TO BOLSTER THE EXISTING SCHOOL CURRICULUM. THE STUDY REVIEWED THE BONDING CAPACITY OF THE DISTRICT AND DETERMINED THAT THE FINANCIAL ABILITY OF THE DISTRICT WAS MORE THAN SUFFICIENT TO MEET THE COST OF THE PROPOSED BUILDING IMPROVEMENT PROGRAM.

ERIC/CEF DOCUMENT NO. EF001420 ED 017 156 DISPOSITION-UFRC 1

HIGHER EDUCATION FACILITIES INVENTORY MANUAL

WASHINGTON HIGHER EDUCATION FACILITIES COMMISSION, OLYMPIA

PUBLISHED-JUL67

C96 PAGES

DESCRIPTORS- *COMPUTER ORIENTED PROGRAMS, *DATA COLLECTION, *FACILITY INVENTORY, *METHODOLOGY, *SPACE UTILIZATION, CLASSROOMS, COLLEGE BUILDINGS, DATA PROCESSING, EDUCATIONAL SPECIFICATIONS, FACILITY UTILIZATION RESEARCH

THIS MANUAL SETS FORTH PROCEDURES FOR COMPLETING SURVEY FORMS TO COLLECT DATA NECESSARY FOR AN INVENTORY OF SPACE THAT CONFORMS TO THE REQUIREMENTS OF EACH INSTITUTION. THE AREAS DISCUSSED ARE GENERAL SUGGESTIONS ON HOW TO MAKE A SURVEY, BUILDING INVENTORY PROCEDURES, ROOM INVENTORY PROCEDURES, AND UPDATE PROCEDURES. THE APPENDICES DISCUSS ROOM TYPES, ORGANIZATIONAL UNIT, SUBJECT FIELD, ROOM FUNCTION, AND BUILDING AREAS. EXAMPLES OF DATA COLLECTING SHEETS ARE ALSO INCLUDED. (HH)

ERIC/CEF DOCUMENT NO. EF001463 DISPOSITION-UFRC 1

REPORT TO WILSON COLLEGE (A PROGRAM FOR PHYSICAL PLANT AND LAND DEVELOPMENT)

BY- TAYLOR, ROGER
TAYLOR, LIEBERFELD AND HELDMAN, INC., NEW YORK

PUBLISHED-MAY67

230 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *CONSTRUCTION NEEDS, *FACILITY GUIDELINES, *FACILITY UTILIZATION RESEARCH, *FINANCIAL NEEDS, HIGHER EDUCATION FACILITIES, MASTER PLANS, SPACE UTILIZATION

IN ORDER TO DEVELOP A PHYSICAL PLANT PROGRAM WHICH WOULD REMEDY THE PRESENT DEFICIENCIES OF THE EDUCATIONAL FACILITIES AT WILSON COLLEGE AND SIMUTANEOUSLY INDICATE THE IMPLICATIONS OF HIGHER ENROLLMENT LEVELS, A PLANNING PROJECT USING A CONSULTANT FIRM WAS INSTITUTED. THE AREAS OF INVESTIGATION PRESENTED IN THE ANALYSIS WERE AS FOLLOWS--(1) PROJECT THE ACTIVITY LEVELS ASSOCIATED WITH THE ANTICIPATED INSTRUCTIONAL PROGRAM, (2) DETERMINE THE CORRESPONDING SPACE REQUIREMENTS, (3) INDICATE THE RELATIONSHIP BETWEEN THE CAPACITY OF THE EXISTING PLANT AND THE PROJECTED REQUIREMENTS, (4) DETERMINE THE EXTENT OF ADDITIONAL CONSTRUCTION NECESSARY, (5) RECOMMEND THE DISPOSITION OF COLLEGE ACTIVITIES AND FACILITIES ON THE CAMPUS, THE RECOMMENDATIONS TO BE REFLECTED IN A MASTER PLAN, (6) DETERMINE THE FINANCIAL IMPLICATIONS OF THE ENTIRE SCHEME. DOCUMENTATION OF THESE FACTORS ARE PRESENTED THROUGHOUT THE REPORT. RECOMMENDATIONS WERE MADE THAT WOULD PROVIDE ADEQUATE FACILITIES FOR PROJECTED ACTIVITIES AND AT THE SAME TIME, INSURE THAT MAXIMUN VALUE WILL BE OBTAINED FROM THE CONSIDERABLE INVESTMENT ALREADY COMMITTED TO EXISTING FACILITIES AND FROM THE ADDITIONAL FUNDS REQUIRED FOR FUTURE CONSTRUCTION. (BH)

ERIC/CEF DOCUMENT NO. EF001509 ED 017 157 DISPOSITION-UFRC 1

PROCEDURES FOR PHYSICAL FACILITY AND UTILIZATION STUDIES

BY- SCHWEHR, F. E. AND SCHWEHR, B. J.
WISCONSIN COORDINATING COMMITTEE FOR HIGHER EDUCATION, MADISON

PUBLISHED-OCT67

131 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *COMPUTER ORIENTED PROGRAM, *EDUCATIONAL SPECIFICATIONS, *FACILITY UTILIZATION RESEARCH, *METHODOLOGY, DATA ANALYSIS, DATA COLLECTION, DATA SHEETS, FACILITY INVENTORY, SPACE CLASSIFICATION, SPACE UTILIZATION

EFFECTIVELY PLANNING THE BUILDINGS NECESSARY FOR AN INSTITUTION OF HIGHER EDUCATION TO ACHIEVE ITS DESIRED GOALS REQUIRES SYSTEMATIC METHODOLOGY FOR GATHERING ACCURATE INFORMATION ON WHAT FACILITIES ARE AVAILABLE AND HOW THE FACILITIES ARE PRESENTLY BEING USED BY A GIVEN NUMBER OF STUDENTS IN A PARTICULAR COURSE OF STUDY. THIS MANUAL PRESENTS SUCH A SYSTEMATIC METHOD FOR CONDUCTING STUDIES ON PHYSICAL FACILITIES AND THEIR UTILIZATION AS RELATED TO PUBLIC INSTITUTIONS OF HIGHER EDUCATION IN WISCONSIN. THE PROCEDURES DESCRIBED WILL PROVIDE COMPARABLE DATA IN THE REPORTING OF EXISTING FACILITIES AND SERVE AS A BASIS FOR MAKING BIENNIAL PROJECTIONS OF FACILITY NEEDS. INCLUDED ARE THE FOLLOWING SECTIONS OF INFORMATION--(1) A SYSTEM OF SPACE CLASSIFICATION WHICH WOULD UNIFY DEFINITIONS OF ROOM TYPES, SUBJECT FIELD AND FUNCTION CLASSIFICATIONS FOR THE PURPOSE OF GIVING COMPARATIVE DATA FOR STATISTICAL STUDIES AT THE NATIONAL OR STATE LEVELS, (2) THE METHODS OF COLLECTING DATA FOR THE INVENTORY AND UTILIZATION STUDIES, (3) A FORMAT FOR PRESENTING THE DESIRED INFORMATION OUTPUT, AND (4) THE MANNER IN WHICH THE INVENTORY AND UTILIZATION INFORMATION WILL BE USED. THE SPECIFIC INFORMATION ON TYPES OF WORKSHEETS, FORMATS FOR THE COLLECTED DATA AND ANALYZED DATA ARE INCLUDED WITHIN THE TEXT. WHILE THE MANUAL IS BASED ON A COMPUTERIZED METHOD OF ANALYSIS, THE PROCEDURES MAY BE EASILY CONVERTED TO A MANUAL ANALYSIS WHICH MAY BE DESIRABLE FOR SMALLER INSTITUTIONS. (BH)

ERIC/CEF DOCUMENT NO. EF001531 ED 017 160 DISPOSITION-UFRC 1

CENTRAL FOOD STORES FACILITIES FOR COLLEGES AND UNIVERSITIES

051 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *DESIGN NEEDS, *FOOD HANDLING FACILITIES, *FOOD SERVICE, *PURCHASING, BUILDING EQUIPMENT, FACILITY CASE STUDIES, FOOD SERVICE OCCUPATIONS, RESEARCH UTILIZATION, SPACE REQUIREMENTS

INSPECTION OF A NUMBER OF INSTALLATIONS WAS ORIENTED TOWARD ARCHITECTURAL AND PLANNING QUESTIONS INVOLVING ECONOMICS AND SERVICES OF CENTRAL FOOD STORE FACILITIES. COMMENCING WITH THE PURCHASING PHILOSOPHY WHICH OVERVIEWS THE ORGANIZATION OF FOODS PURCHASING, SELECTION OF PERSONNEL, SPECIFICATIONS FOR PURCHASING, TECHNIQUES FOR PURCHASING, AND TRENDS IN FOODS SERVICE, THE MONOGRAPH DISCUSSES PLANNING FOR A CENTRAL FOOD STORE. PLANNING REQUIREMENTS ARE PROVIDED FOR THE EQUIPMENT AND SPACE NEEDED FOR EFFICIENT FLOW OF GOODS, PROVISION FOR TEST KITCHENS, TECHNIQUES OF LABOR MANAGEMENT AND RESEARCH IMPLICATIONS. A SUMMARY OF DESIGN REQUIREMENTS AND A CASE STUDY OF MICHIGAN STATE UNIVERSITY'S CENTRAL FOOD STORE FACILITY INDICATES WHAT CONSIDERATIONS SHOULD BE MADE IN PLANNING A CENTRAL FOOD STORES FACILITY. (BH)

ERIC/CEF DOCUMENT NO. EF001551 ED 018 096 DISPOSITION-UFRC 1

CREGON COMMUNITY COLLEGES, POLICIES AND PROCEDURES GOVERNING STATE ASSISTANCE PROGRAM FOR CONSTRUCTION OF FACILITIES

BY- MINEAR, LEON P.
CREGON STATE DEPARTMENT OF EDUCATICN, SALEM

PUBLISHED- 67

041 PAGES

DESCRIPTORS- *ADMINISTRATIVE POLICY, *COMMUNITY COLLEGES, *FINANCIAL POLICY, *MASTER PLANS, *STATE LEGISLATION, BOARD OF EDUCATION POLICY, COLLEGE PLANNING, CONSTRUCTION COSTS, DATA SHEETS, EDUCATIONAL FACILITIES, FACILITY GUIDELINES, FACILITY UTILIZATION RESEARCH, SITE SELECTION, STATE AID

POLICIES, REGULATICNS, PROCEDURES AND CRITERIA ADAPTED FROM THE RULES AND REGULATIONS OF THE OREGON STATE BOARD OF EDUCATION ARE COMPILED IN THIS DOCUMENT TO ASSIST SCHOOL DISTRICTS IN PRODUCING MASTER PLANS FOR INSTITUTIONAL DEVELOPMENT. THESE POLICIES AND PROCEDURES GOVERNING THE STATE ASSISTANCE PROGRAM ARE SPECIFICALLY RELATED TO THE CONSTRUCTION OF FACILITIES FOR CREGON'S COMMUNITY COLLEGES. IT INCLUDES--(1) A POLICY STATEMENT CF THE RESPONSIBILITIES OF THE BOARD OF EDUCATION, (2) THE REGULATIONS FOR FUNDING A COMMUNITY COLLEGE PROJECT, AND (3) THE ADMINISTRATIVE PROCEDURES FOR COMMUNITY COLLEGE CONSTRUCTION. THE SECTICNS ON PROCEDURES CONTAIN AN OUTLINE FOR DEVELOPING UTILIZATION STUDIES AND GUIDELINES FOR SPACE STANDARDS. THE SIX APPENDICES INCLUDE SECTIONS ON APPROVING A PROPOSED SITE, DEVELOPMENT OF A LONG-RANGE MASTER PLAN, THE PREPARATION OF EDUCATIONAL SPECIFICATICNS, THE FORMS REQUIRED FOR STATE ASSISTANCE. (BH)

ERIC/CEF DOCUMENT NO. EF001628 DISPOSITION-EDC- 1

THE ACCEPTANCE OF CARPET AS A SCHOOL FLOOR COVERING

BY- GARRETT, JOE B.
AMERICAN CARPET INSTITUTE, NEW YORK, N. Y.

PUBLISHED-APR64

006 PAGES

DESCRIPTORS- *ACOUSTICS, *CARPETING, *RESEARCH, *SCHOOL BUILDINGS, *SCHOOL MAINTENANCE, AUDITORIUMS, CEILINGS, DESIGN NEEDS, ECONOMICS, FACILITY CASE STUDIES, FLOORING, HABIT FORMATION, THERMAL ENVIRONMENT

THIS SPEECH DISCUSSES THE ACOUSTICAL, INSULATIVE, LOW-MAINTENANCE FLOOR COVERING KNOWN AS CARPET AND ITS USE IN SCHOOL FACILITIES. IT REVIEWS THE BASIC INDEPENDENT RESEARCH WHICH HAS BEEN DONE, DOCUMENTING THE ACOUSTICAL AND MAINTENANCE PROPERTIES AS A SCHOOL FLOOR COVERING, AND TRACES THE ACTUAL EXPERIENCE OF A NUMBER OF CARPETED SCHOOLS. CARPETING MEETS THE PERFORMANCE QUALITIES OF MODERN DESIGN TRENDS IN SCHOOL PLANTS. CARPET HAS BEEN, AND IS, WIDELY USED FOR BOTH AESTHETIC AND NOISE CONTROL PURPOSES AND, WITH ALL FACTORS CONSIDERED, AT NO GREATER 'TOTAL USE' COST. CARPETING HAS A NOISE REDUCTION COEFFICIENT (NRC) OF .55 WHICH IS AS EFFECTIVE AS MOST MATERIALS ON THE MARKET TODAY MANUFACTURED FOR THE EXCLUSIVE PURPOSE OF NOISE REDUCTION. BY TREATING THE FLOOR ACCOUSTICALLY, CEILINGS CAN BE LEFT HARD AND REFLECTIVE FOR BETTER VOICE PROJECTION TO ALL PARTS OF THE ROOM. CARPETING VIRTUALLY ELIMINATES IMPACT NOISE AND ALSO CREATES A POSITIVE HABIT DEVELOPMENT BY STUDENTS USING THESE AREAS. WITH REGARD TO MAINTENANCE,ALL TESTS CONDUCTED FROM THE FIRST IN 1955 POINT TO VERY SUBSTANTIAL SAVINGS WITH CARPETED FLOORS. IT HAS BEEN FOUND THAT CARPET MAINTENANCE COSTS ARE APPROXIMATEDLY 50 PER CENT LESS, UNDER HEAVIEST USE CONDITIONS. THE ELIMINATION OF OTHER WALL OR CEILING ACOUSTICAL TREATMENTS IN CARPETED AREAS CAN OFFSET OR EQUALIZE INITIAL MATERIAL COST. CARPETED FLOORS WILL LESSEN FUEL CONSUMPTION. THE USE OF CARPETING IN AUDITORIUMS, ENTRANCE WAYS, AND AS A REPLACEMENT FLOOR COVERING IS DEALT WITH BRIEFLY. (RK)

ERIC/CEF DOCUMENT NO. EF001631 DISPOSITION-EDC- 1

WHAT ABOUT CARPET

BY- SMITH, MILLARD J.
SHAKER HIGH SCHOOL, LATHAM, NEW YORK

PUBLISHED-MAY64

004 PAGES

DESCRIPTORS- *ACOUSTICS, *CARPETING, *FACILITY CASE STUDIES, *FLEXIBLE FACILITIES, *MAINTENANCE, BEHAVIOR PATTERNS

A SPEECH BASED ON THE OBSERVATIONS OF MILLARD J SMITH, PRINCIPAL OF SHAKER HIGH SCHOOL, LATHAM, NEW YORK, REGARDING THE USE OF CARPETING CONCLUDES THE BEHAVIOR PATTERNS OF THE STUDENTS ARE ALTERED BY THE USE OF CARPETING. CARPETS PROVIDE THE OPPORTUNITY TO USE OTHER AREAS OF THE SCHOOL AS CLASSROOMS. HALLS, CORRIDORS, STAIRS, LOBBIES, AND FLOOR ARE ALL CLASSROOMS. IN ADDITION, CARPET PREVENTS NOISE. CARPETING PRODUCES THE ACOUSTICAL ATMOSPHERE WHICH ALLOWS PARTITIONS TO BE MOVED AND ALTERED AT WILL. ACOUSTICAL CONTROL THROUGH CARPETING ALLOWS TEACHERS TO TEACH BETTER, KEEPS NOISE LEVELS DOWN, AND PROVIDES FLEXIBILITY OF UTILIZATION TO MEET THE NEEDS OF A MODERN SCHOOL PROGRAM. IT HAS BEEN FOUND THAT TEACHERS PREFER TO TEACH IN A CARPETED ENVIRONMENT. A PROBLEM IS WHEN CLEANING A SPOT THE CARPET IS CLEANER IN THAT AREA, HOWEVER, IN A FEW DAYS OF USE THE CARPET IS EVENED UP AGAIN. SPOT CLEANING IS DONE BY THE REGULAR CUSTODIAL STAFF. CARPET DOES COST LESS TO MAINTAIN AND THE SAVINGS CAN ADD UP TO THE COST OF REPLACING THE CARPET. VERY LITTLE TIME IS SPENT IN CLEANING CARPETS. ALSO THE EASE OF MAINTENANCE MEANS THAT CARPETED ROOMS CAN BE USED FOR AFTER-SCHOOL ACTIVITIES MORE THAN OTHER ROOMS BECAUSE THEY ARE ALWAYS READY. AN INVITIATION IS EXTENDED BY MR. MILLARD TO VISIT SHAKER HIGH SCHOOL AND VIEW THEIR CARPET EXPERIMENT. IT IS REQUESTED THAT A LETTER BE SENT SPECIFYING THE PLANNED ARRIVAL DATE. (RK)